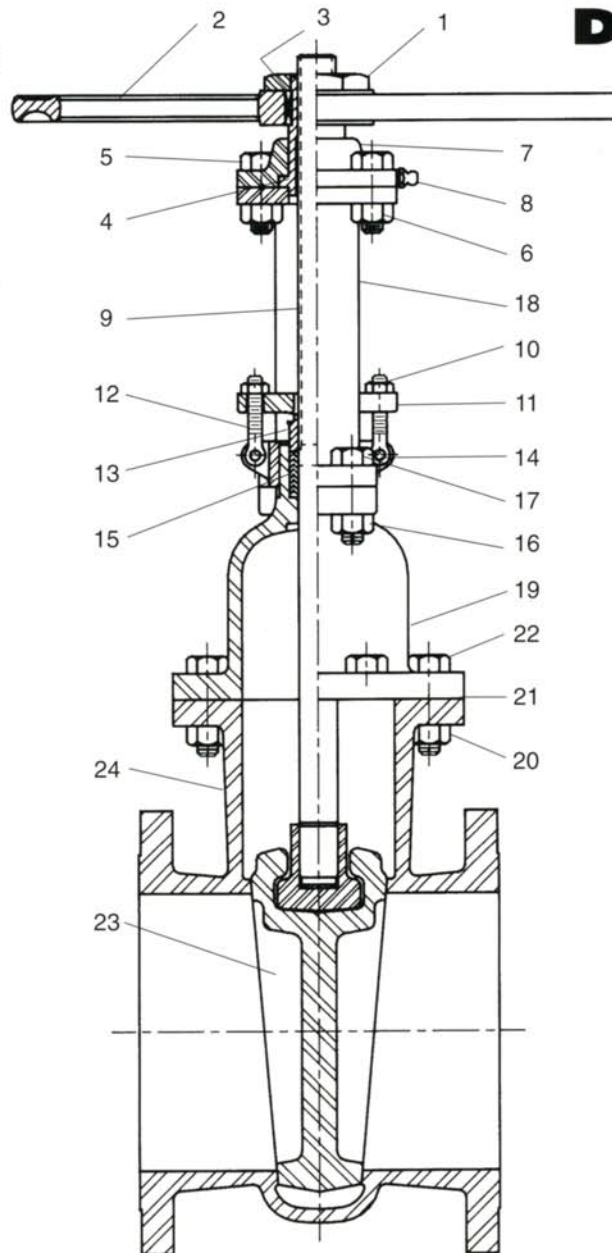


Gate Valves

Features

- 400 Series stainless steel stem bushing
- OS&Y outside screw and yoke
- Threads never contact media
- Swing-away eye bolts
- Extra deep stuffing box
- TFE cup and cone rings
- Back seat
- Fully contained TFE gasket
- Stainless steel bolting
- High quality castings



Parts & Descriptions

1. Handwheel nut
2. Handwheel
3. Handwheel key
4. Stem nut (bushing)
5. Yoke cap bolts
6. Yoke cap nuts
7. Yoke cap
8. Grease fitting
9. Stem
10. Gland nuts
11. Gland flange
12. Eye bolts
13. Gland follower
14. Eye bolt pins
15. Packing
16. Yoke nuts
17. Yoke bolts
18. Yoke (separable)
19. Bonnet
20. Bonnet nuts
21. Gasket
22. Bonnet bolts
23. Gate
24. Body

Gate valves provide a straight-through passage for the flow of fluids. They are used where unobstructed flow and low pressure

drops are needed. Although gate valves are not recommended for throttling service, they are suitable for on/off service in almost all

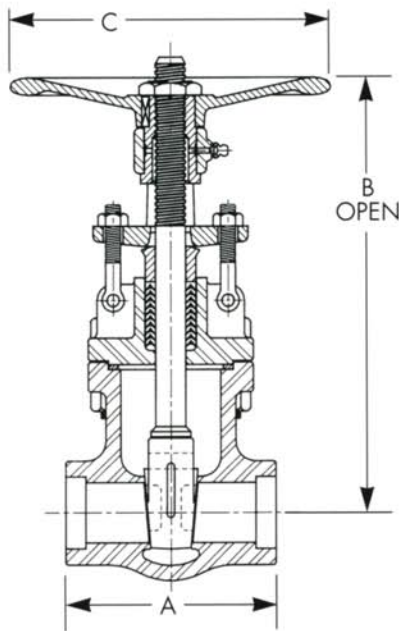
media and are particularly useful in cryogenic or high temperature service.

COOPER®

Gate Valves **ANSI Class 150**

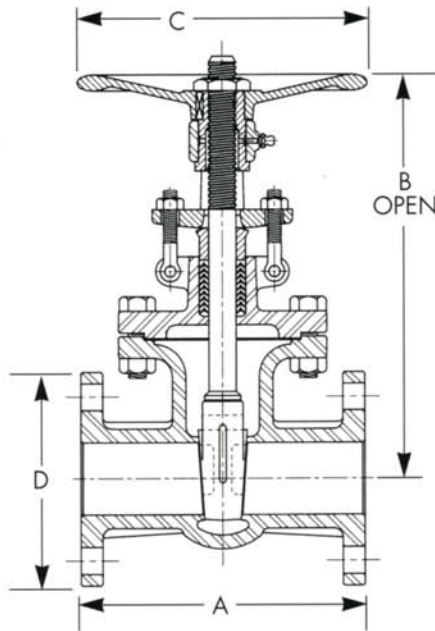
Model 101 ½ thru 2"

(Investment Cast Body)



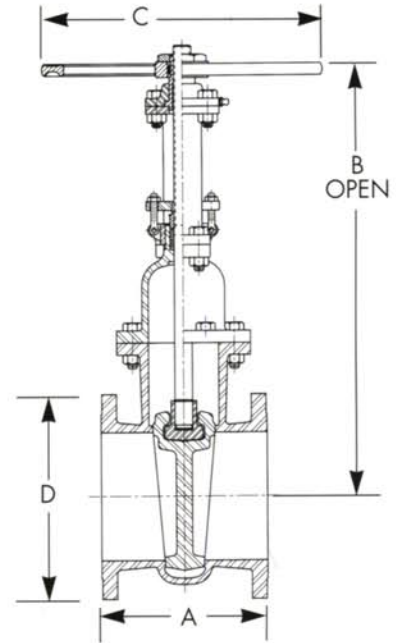
Model 115 ½ thru 2"

(Investment Cast Body)



Model 115 3 thru 24"*

(Sand Cast Body)



| Size (in.) | ½ | ¾ | 1 | 1½ | 2 |
|---------------|-----|-----|-----|------|------|
| A | 3 ¾ | 3 ¾ | 3 ¼ | 5 ¼ | 5 ¼ |
| B | 8 ¾ | 8 ¾ | 9 ¾ | 13 ¼ | 14 ¼ |
| C | 4 | 4 | 4 | 8 | 8 |
| Weight (lbs.) | 7 | 7 | 10 | 17 | 22 |

Socketweld=101-X; Screwed End=101-SE

| Size (in.) | ½ | ¾ | 1 | 1½ | 2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 |
|---------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| A | 4 ¾ | 4 ¾ | 5 | 6 ½ | 7 | 8 | 9 | 10 ½ | 11 ½ | 13 | 14 | 15 | 16 | 17 | 18 | 20 |
| B | 8 ¾ | 8 ¾ | 9 ¾ | 13 ¼ | 14 ¼ | 16 ¾ | 20 ¾ | 27 ¾ | 39 ¾ | 46 ¾ | 56 ¾ | 65 ¾ | 73 ¾ | 82 ¼ | 90 ¾ | 110 ¾ |
| C | 4 | 4 | 4 | 8 | 8 | 8 | 10 | 12 | 16 | 22 | 22 | 22 | 26 | 28 | 28 | 28 |
| D | 3 ¾ | 3 ¾ | 4 ¾ | 5 | 6 | 7 ½ | 9 | 11 | 13 ½ | 16 | 19 | 21 | 23 ½ | 25 | 27 ½ | 32 |
| Weight (lbs.) | 9 | 10 | 18 | 22 | 30 | 57 | 84 | 170 | 289 | 435 | 640 | 925 | 1300 | — | — | — |

Raised Face Flange=115-RF; Flat Faced Flange=115-FF; Ring Type Joint Flange=115-RTJ; Butt weld=115-BW

Features:

- OS&Y
- Bolted bonnet
- Solid wedge
- TFE gasket
- Rising stem
- Integral seat
- TFE packing
- SS bolting

Specifications:

- Sizes ½ thru 24"
- Pressures: ANSI Class 150
- Ends: flanged, threaded, socketweld and butt weld
- Materials: cast SS and exotic alloy
- Design: ANSI B16.34 and B16.10

*For larger sizes, consult factory.

Options:

- Exotic alloys
- Renewable disc
- Hardfacing
- Jackets
- Special bolting
- Alloy analyzer test
- Cryogenics
- Flex wedge
- Operators
- Acid shield
- NDT test

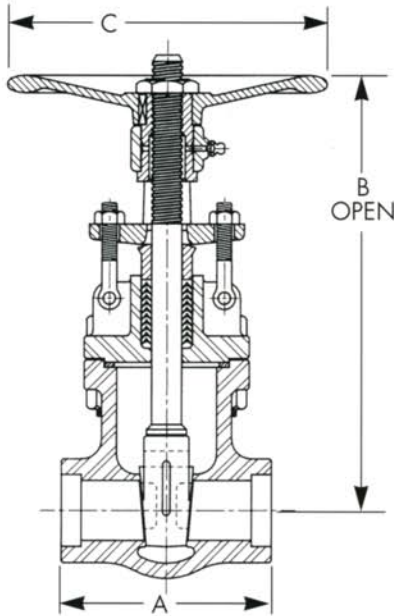
COOPER®



Gate Valves **ANSI Class 300**

Model 3381 ½ thru 2"

(Investment Cast Body)

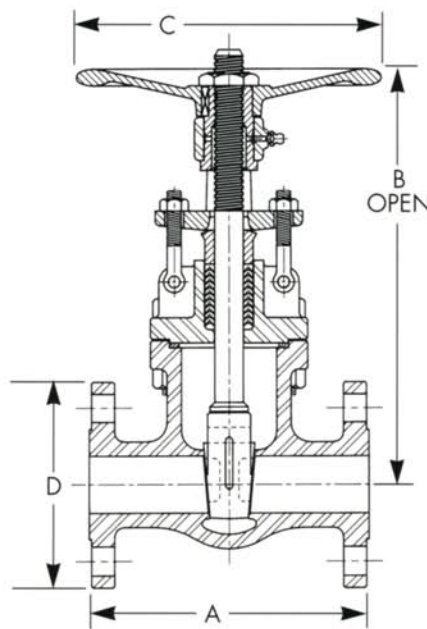


| Size (in.) | ½ | ¾ | 1 | 1 ½ | 2 |
|---------------|-----|-----|-----|------|------|
| A | 3 ¾ | 3 ¾ | 3 ¾ | 5 ¾ | 5 ¾ |
| B | 8 ¾ | 8 ¾ | 9 ¾ | 13 ¾ | 14 ¾ |
| C | 4 | 4 | 4 | 8 | 8 |
| Weight (lbs.) | 9 | 9 | 12 | 27 | 40 |

Socketweld=3381-X; Screwed End=3381-SE

Model 130 ½ thru 2"

(Investment Cast Body)

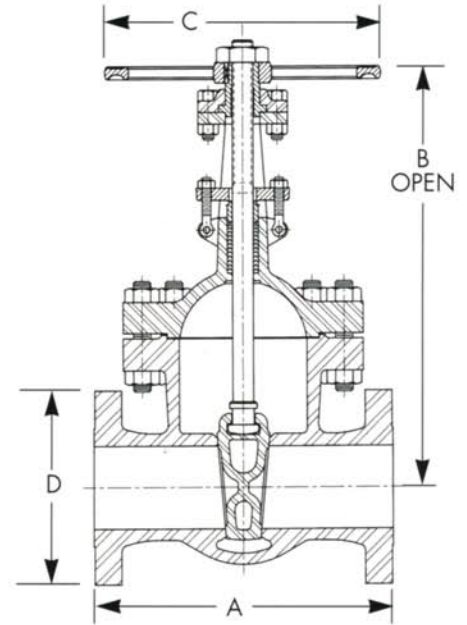


| Size (in.) | ½ | ¾ | 1 | 1 ½ | 2 | 3 | 4 | 6 | 8 | 10 | 12 |
|---------------|-----|-----|-----|------|------|------|------|------|------|------|------|
| A | 5 ½ | 6 | 6 ½ | 7 ½ | 8 ½ | 11 ½ | 12 | 15 ½ | 16 ½ | 18 | 19 ½ |
| B | 8 ¾ | 8 ¾ | 9 ¾ | 13 ¾ | 14 ¾ | 22 ¾ | 26 ¾ | 34 ¾ | 46 ¾ | 55 ¾ | 65 |
| C | 4 | 4 | 4 | 8 | 8 | 10 | 12 | 16 | 22 | 22 | 22 |
| D | 3 ¾ | 4 ¾ | 4 ¾ | 6 ¾ | 6 ¾ | 8 ¾ | 10 | 12 ½ | 15 | 17 ½ | 20 ½ |
| Weight (lbs.) | 13 | 16 | 24 | 39 | 53 | 100 | 171 | 305 | 540 | 823 | 1250 |

Raised Face Flange=130-RF; Flat Faced Flange=130-FF; Ring Type Joint Flange=130-RTJ; Butt weld=130-BW

Model 130 3 thru 12"*

(Sand Cast Body)



Features:

- OS&Y
- Bolted bonnet
- Solid wedge
- TFE gasket
- Rising stem
- Integral seat
- TFE packing
- SS bolting

Specifications:

- Sizes ½ thru 12"*
- Pressures: ANSI Class 300
- Ends: flanged, threaded, socketweld and butt weld
- Materials: cast SS and exotic alloy
- Design: ANSI B16.34 and B16.10

Options:

- Exotic alloys
- Renewable disc
- Hardfacing
- Jackets
- Special bolting
- Alloy analyzer test
- Cryogenics
- Flex wedge
- Operators
- Acid shields
- NDT test

*For larger sizes, consult factory.

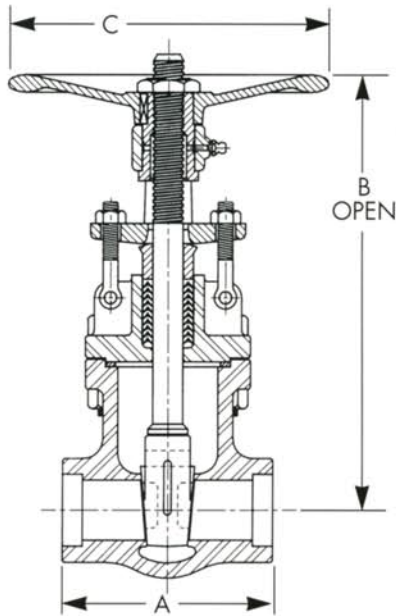


COOPER®

Gate Valves **ANSI Class 600**

Model 3611 ½ thru 2"

(Investment Cast Body)

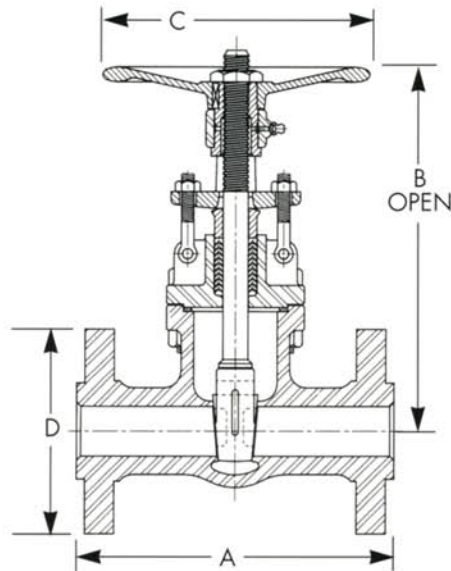


| Size (in.) | ½ | ¾ | 1 | 1 ½ | 2 |
|---------------|-----|-----|-----|-----|------|
| A | 3 ¾ | 3 ¾ | 3 ¾ | 6 | 7 |
| B | 8 ¾ | 8 ¾ | 9 ¾ | 14 | 14 ¾ |
| C | 4 | 4 | 4 | 8 | 8 |
| Weight (lbs.) | 10 | 10 | 13 | 29 | 42 |

Socketweld=3611-X; Screwed End=3611-SE

Model 160 ½ thru 2"

(Investment Cast Body)

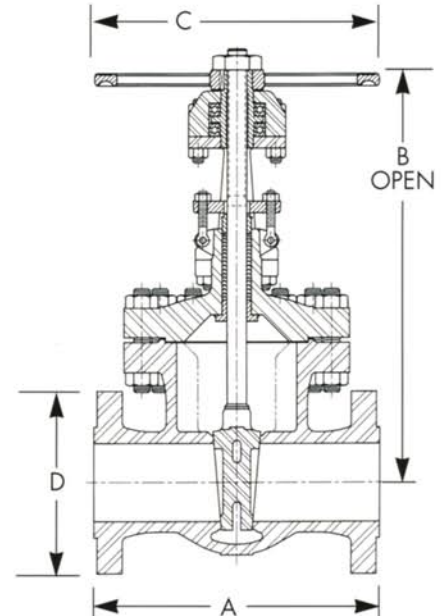


| Size (in.) | ½ | ¾ | 1 | 1 ½ | 2 | 3 | 4 | 6 | 8 | 10 |
|---------------|-----|-----|-----|-----|------|------|------|------|------|------|
| A | 6 ½ | 7 ½ | 8 ½ | 9 ½ | 11 ½ | 14 | 17 | 22 | 26 | 31 |
| B | 8 ¾ | 8 ¾ | 9 ¾ | 13 | 14 ¾ | 23 ¾ | 29 ¾ | 39 ¾ | 48 ¾ | 56 |
| C | 4 | 4 | 4 | 8 | 8 | 10 | 14 | 22 | 22 | 28 |
| D | 3 ¾ | 4 ¾ | 4 ¾ | 6 ¾ | 6 ¾ | 8 ¾ | 10 ¾ | 14 | 16 ¾ | 20 |
| Weight (lbs.) | 17 | 19 | 21 | 45 | 119 | 171 | 323 | 500 | 1220 | 1967 |

Raised Face Flange=160-RF; Flat Faced Flange=160-FF; Ring Type Joint Flange=160-RTJ; Butt weld=160-BW

Model 160 3 thru 10"*

(Sand Cast Body)



Features:

- OS&Y
- Bolted bonnet
- Solid wedge
- TFE gasket
- Rising stem
- Integral seat
- TFE packing
- SS bolting

Specifications:

- Sizes ½ thru 10"*
- Pressures: ANSI Class 600
- Ends: flanged, threaded, socketweld and buttweld
- Materials: cast SS and exotic alloy
- Design: ANSI B16.34 and B16.10

*For larger sizes, consult factory.

Options:

- Exotic alloys
- Renewable disc
- Hardfacing
- Jackets
- Special bolting
- Alloy analyzer test
- Cryogenics
- Flex wedge
- Operators
- Acid shields
- NDT test

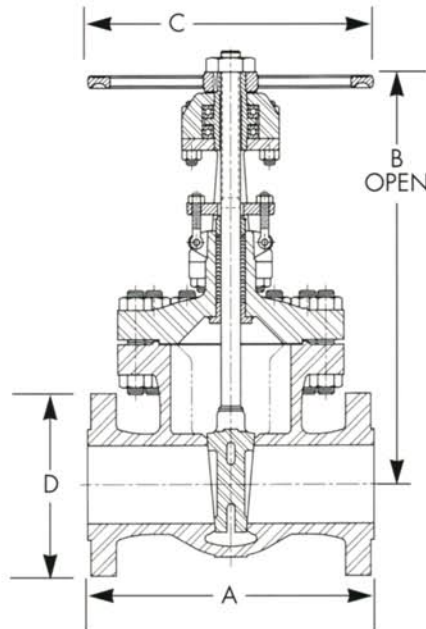
COOPER®



Gate Valves **ANSI Class 900**

Model 190 1 thru 4"*

(Sand Cast Body)



| Size (in.) | 1 | 1 ½ | 2 | 3 | 4 |
|---------------|-----|------|------|------|------|
| A | 10 | 12 | 14 ½ | 15 | 18 |
| B | 14 | 15 ¼ | 17 ¼ | 28 ¼ | 32 ½ |
| C | 8 | 9 | 10 | 14 | 17 |
| D | 5 ¼ | 7 | 8 ½ | 9 ½ | 11 ½ |
| Weight (lbs.) | 55 | 70 | 125 | 202 | 380 |

Raised Face=190RF; Flat Face=190FF; Ring Joint=190RJ; Butt weld=190BW

Features:

- OS&Y
- Bolted bonnet
- Solid wedge
- TFE gasket
- Rising stem
- Integral seat
- TFE packing
- SS bolting

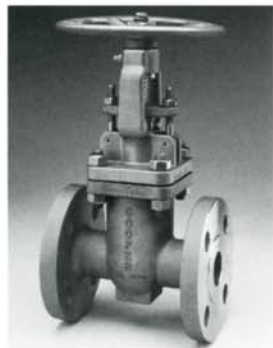
Specifications:

- Sizes 1 thru 4"*
- Pressures: ANSI Class 900
- Ends: flanged and butt weld
- Materials: cast SS and exotic alloy
- Design: ANSI B16.34 and B16.10

Options:

- Exotic alloys
- Renewable disc
- Hardfacing
- Jackets
- Special bolting
- Alloy analyzer test
- Cryogenics
- Flex wedge
- Operators
- Acid shields
- NDT test

*For larger sizes, consult factory.

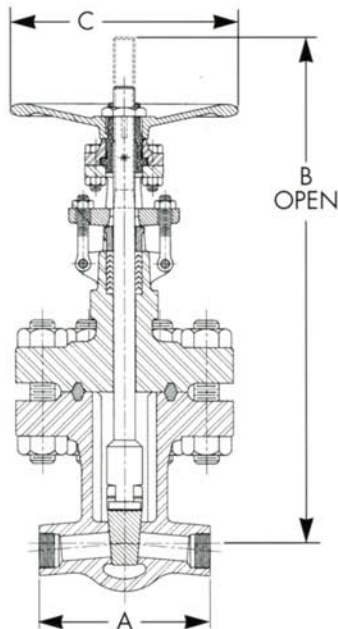


COOPER®

Gate Valves **ANSI Class 1500**

Model 1151 ½ thru 1"

(½", ¾"—Investment Cast Body)
(1"—Sand Cast Body)

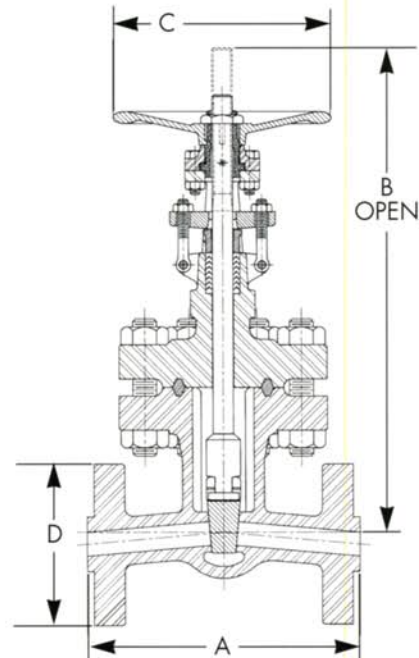


| Size (in.) | ½ | ¾ | 1 |
|---------------|----|----|------|
| A | 5 | 5 | 6 |
| B | 16 | 16 | 17 ½ |
| C | 6 | 6 | 8 |
| Weight (lbs.) | 33 | 40 | 55 |

Socketweld=1151X; Screwed End=1151SE

Model 1150 1 thru 3"*

(Sand Cast Body)



| Size (in.) | 1 | 1 ½ | 2 | 3 |
|---------------|-----|------|------|------|
| A | 10 | 12 | 14 ½ | 18 ½ |
| B | 14 | 15 ¾ | 17 ¾ | 27 |
| C | 8 | 9 | 10 | 16 |
| D | 5 ¾ | 7 | 8 ½ | 10 ½ |
| Weight (lbs.) | 60 | 75 | 150 | 230 |

Raised Face=1150RF; Flat Face=1150FF; Ring Joint=1150RTJ; Butt weld=1150BW

Features:

- OS&Y
- Bolted bonnet
- Solid wedge
- TFE gasket
- Rising stem
- Integral seat
- TFE packing
- SS bolting

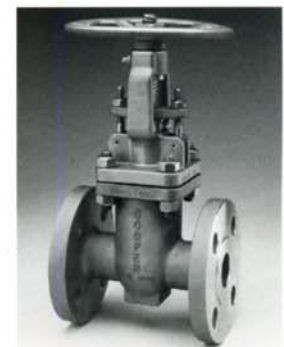
Specifications:

- Sizes ½ thru 3"*
- Pressures: ANSI Class 1500
- Ends: flanged, threaded, socketweld and butt weld
- Materials: cast SS and exotic alloy
- Design: ANSI B16.34 and B16.10

*For larger sizes, consult factory.

Options:

- Exotic alloys
- Renewable disc
- Hardfacing
- Jackets
- Special bolting
- Alloy analyzer test
- Cryogenics
- Flex wedge
- Operators
- Acid shields
- NDT test



COOPER®